

Volume 2 Issue 7, June 2015

**International Journal of Advanced Engineering
and Nano Technology**



Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd.
Exploring Innovation: A Key for Dedicated Services

Address:

22, First Floor, ShivLoka Phase-IV,
Khajuri Kala, BHEL-Piplani, Bhopal (M.P.)-462021, India

Website: www.blueeyesintelligence.org

Email: director@blueeyesintelligence.org, blueeyes@gmail.com

Cell #: +91-9669981618, WhatsApp #: +91-9669981618, Viber #: +91-9669981618

Skype #: beiesp, Twitter #: beiesp

Editor In Chief

Dr. Shiv K Sahu

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT)

Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal (M.P.), India

Dr. Shachi Sahu

Ph.D. (Chemistry), M.Sc. (Organic Chemistry)

Additional Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Vice Editor In Chief

Dr. Vahid Nourani

Professor, Faculty of Civil Engineering, University of Tabriz, Iran

Prof. (Dr.) Anuranjan Misra

Professor & Head, Computer Science & Engineering and Information Technology & Engineering, Noida International University, Noida (U.P.), India

Chief Advisory Board

Prof. (Dr.) Hamid Saremi

Vice Chancellor of Islamic Azad University of Iran, Quchan Branch, Quchan-Iran

Dr. Uma Shanker

Professor & Head, Department of Mathematics, CEC, Bilaspur(C.G.), India

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Kapil Kumar Bansal

Head (Research and Publication), SRM University, Gaziabad (U.P.), India

Dr. Deepak Garg

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Vijay Anant Athavale

Director of SVS Group of Institutions, Mawana, Meerut (U.P.) India/ U.P. Technical University, India

Dr. T.C. Manjunath

Principal & Professor, HKBK College of Engg, Nagawara, Arabic College Road, Bengaluru-560045, Karnataka, India

Dr. Kosta Yogeshwar Prasad

Director, Technical Campus, Marwadi Education Foundation's Group of Institutions, Rajkot-Morbi Highway, Gauridada, Rajkot, Gujarat, India

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. P. Dananjayan

Professor, Department of Department of ECE, Pondicherry Engineering College, Pondicherry, India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Engineering Chemistry, Technocrat Institute of Technology, Bhopal(M.P.), India

Dr. Kamal Mehta

Associate Professor, Deptment of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India

Dr. CheeFai Tan

Faculty of Mechanical Engineering, University Technical, Malaysia Melaka, Malaysia

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur, A.P., India

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), INDIA

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur, W.B. India

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram, Tamilnadu, India

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana, Ambala (Haryana), India

Dr. T.C.Manjunath

Principal & Professor, HKBK College of Engg, Nagawara, Arabic College Road, Bengaluru-560045, Karnataka, India

Dr. P. Dananjayan

Professor, Department of Department of ECE, Pondicherry Engineering College, Pondicherry, India

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India

Dr. Rajiv Srivastava

Director, Department of Computer Science & Engineering, Sagar Institute of Research & Technology, Bhopal (M.P.), India

Dr. Chakunta Venkata Guru Rao

Professor, Department of Computer Science & Engineering, SR Engineering College, Ananthasagar, Warangal, Andhra Pradesh, India

Dr. Anuranjan Misra

Professor, Department of Computer Science & Engineering, Bhagwant Institute of Technology, NH-24, Jindal Nagar, Ghaziabad, India

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Yue Yang Road, Shanghai, China

Dr. Himani Sharma

Professor & Dean, Department of Electronics & Communication Engineering, MLR Institute of Technology, Laxman Reddy Avenue, Dundigal, Hyderabad, India

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Knowledge Park-III, Greater Noida, India

Dr. Umesh Kumar

Principal: Govt Women Poly, Ranchi, India

Dr. Syed Zaheer Hasan

Scientist-G Petroleum Research Wing, Gujarat Energy Research and Management Institute, Energy Building, Pandit Deendayal Petroleum University Campus, Raisan, Gandhinagar-382007, Gujarat, India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, 1 – B Crystal Gold, Vijalpore Road, Navsari 396445, Gujarat. India

Technical Advisory Board

Dr. Mohd. Husain

Director, MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal(M.P.), India

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India

Dr. Sunandan Bhunia

Associate Professor & Head,, Dept. of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia, West Bengal, India

Dr. Jaydeb Bhaumik

Associate Professor, Dept. of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia, West Bengal, India

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia, West Bengal, India

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia, 63100 Cyberjaya

Dr. Hossein Rajabalipour Cheshmehgaz

Industrial Modeling and Computing Department, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal(M.P.), India

Dr. Ashish Rastogi

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India

Dr. Sunil Kumar Singla

Professor, Department of Electrical and Instrumentation Engineering, Thapar University, Patiala (Punjab), India

Dr. A. K. Verma

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India

Dr. Durgesh Mishra

Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Xiaoguang Yue

Associate Professor, College of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman China

Dr. Mohd. Ali Hussain

Professor, Department of Computer Science and Engineering, Sri Sai Madhavi Institute of Science & Technology, Rajahmundry (A.P.), India

Dr. Mohd. Nazri Ismail

Professor, System and Networking Department, Jalan Sultan Ismail, Kuala Lumpur, MALAYSIA

Dr. Sunil Mishra

Associate Professor, Department of Communication Skills (English), Dronacharya College of Engineering, Farrukhnagar, Gurgaon (Haryana), India

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura City, Egypt

Dr. Pavol Tanuska

Associate Professor, Department of Applied Informatics, Automation, and Mathematics, Trnava, Slovakia

Dr. VS Giridhar Akula

Professor, Avanthi's Research & Technological Academy, Gunthapally, Hyderabad, Andhra Pradesh, India

Dr. S. Satyanarayana

Associate Professor, Department of Computer Science and Engineering, KL University, Guntur, Andhra Pradesh, India

Dr. Bhupendra Kumar Sharma

Associate Professor, Department of Mathematics, KL University, BITS, Pilani, India

Dr. Praveen Agarwal

Associate Professor & Head, Department of Mathematics, Anand International College of Engineering, Jaipur (Rajasthan), India

Dr. Manoj Kumar

Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli, Prabh Nagar, (U.P.), India

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India

Dr. K.M. Pandey

Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar, India

Prof. Pranav Parashar

Technical Advisor, International Journal of Soft Computing and Engineering (IJSCE), Bhopal (M.P.), India

Dr. Biswajit Chakraborty

MECON Limited, Research and Development Division (A Govt. of India Enterprise), Ranchi-834002, Jharkhand, India

Dr. D.V. Ashoka

Professor & Head, Department of Information Science & Engineering, SJB Institute of Technology, Kengeri, Bangalore, India

Dr. Sasidhar Babu Suvanam

Professor & Academic Coordinator, Department of Computer Science & Engineering, Sree Narayana Gurukulam College of Engineering, Kadayiuruppu, Kolenchery, Kerala, India

Dr. C. Venkatesh

Professor & Dean, Faculty of Engineering, EBET Group of Institutions, Kangayam, Erode, Caimbatore (Tamil Nadu), India

Dr. Nilay Khare

Assoc. Professor & Head, Department of Computer Science, MANIT, Bhopal (M.P.), India

Dr. Sandra De Iaco

Professor, Dip.to Di Scienze Dell'Economia-Sez. Matematico-Statistica, Italy

Dr. Yaduvir Singh

Associate Professor, Department of Computer Science & Engineering, Ideal Institute of Technology, Govindpuram Ghaziabad, Lucknow (U.P.), India

Dr. Angela Amphawan

Head of Optical Technology, School of Computing, School Of Computing, Universiti Utara Malaysia, 06010 Sintok, Kedah, Malaysia

Dr. Ashwini Kumar Arya

Associate Professor, Department of Electronics & Communication Engineering, Faculty of Engineering and Technology, Graphic Era University, Dehradun (U.K.), India

Dr. Yash Pal Singh

Professor, Department of Electronics & Communication Engg, Director, KLS Institute Of Engg.& Technology, Director, KLSIET, Chandok, Bijnor, (U.P.), India

Dr. Ashish Jain

Associate Professor, Department of Computer Science & Engineering, Accurate Institute of Management & Technology, Gr. Noida (U.P.), India

Dr. Abhay Saxena

Associate Professor&Head, Department. of Computer Science, Dev Sanskriti University, Haridwar, Utrakhand, India

Dr. Judy. M.V

Associate Professor, Head of the Department CS &IT, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Brahmasthanam, Edapally, Cochin, Kerala, India

Dr. Sangkyun Kim

Professor, Department of Industrial Engineering, Kangwon National University, Hyoja 2 dong, Chunche0nsi, Gangwondo, Korea

Dr. Sanjay M. Gulhane

Professor, Department of Electronics & Telecommunication Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal, Maharastra, India

Dr. K.K. Thyagarajan

Principal & Professor, Department of Informational Technology, RMK College of Engineering & Technology, RSM Nagar, Thiruyallur, Tamil Nadu, India

Dr. P. Subashini

Assoc. Professor, Department of Computer Science, Coimbatore, India

Dr. G. Srinivasrao

Professor, Department of Mechanical Engineering, RVR & JC, College of Engineering, Chowdavaram, Guntur, India

Dr. Rajesh Verma

Professor, Department of Computer Science & Engg. and Deptt. of Information Technology, Kurukshetra Institute of Technology & Management, Bhor Sadian, Pehowa, Kurukshetra (Haryana), India

Dr. Pawan Kumar Shukla

Associate Professor, Satya College of Engineering & Technology, Haryana, India

Dr. U C Srivastava

Associate Professor, Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Noida, India

Dr. Reena Dadhich

Prof. & Head, Department of Computer Science and Informatics, MBS MArg, Near Kabir Circle, University of Kota, Rajasthan, India

Dr. Aashis. S. Roy

Department of Materials Engineering, Indian Institute of Science, Bangalore Karnataka, India

Dr. Sudhir Nigam

Professor Department of Civil Engineering, Principal, Lakshmi Narain College of Technology and Science, Raisen, Road, Bhopal, (M.P.), India

Dr. S. Senthil Kumar

Doctorate, Department of Center for Advanced Image and Information Technology, Division of Computer Science and Engineering, Graduate School of Electronics and Information Engineering, Chon Buk National University Deok Jin-Dong, Jeonju, Chon Buk, 561-756, South Korea Tamilnadu, India

Dr. Gufran Ahmad Ansari

Associate Professor, Department of Information Technology, College of Computer, Qassim University, Al-Qassim, Kingdom of Saudi Arabia (KSA)

Dr. R. Navaneetha krishnan

Associate Professor, Department of MCA, Bharathiyar College of Engg & Tech, Karaikal Puducherry, India

Dr. Hossein Rajabalipour Cheshmejjaz

Industrial Modeling and Computing Department, Faculty of Computer Science and Information Systems, Universiti Teknologi Skudai, Malaysia

Dr. Veronica McGowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman China

Dr. Sanjay Sharma

Associate Professor, Department of Mathematics, Bhilai Institute of Technology, Durg, Chhattisgarh, India

Dr. Taghreed Hashim Al-Noor

Professor, Department of Chemistry, Ibn-Al-Haitham Education for pure Science College, University of Baghdad, Iraq

Dr. Madhumita Dash

Professor, Department of Electronics & Telecommunication, Orissa Engineering College, Bhubaneswar, Odisha, India

Dr. Anita Sagadevan Ethiraj

Associate Professor, Department of Centre for Nanotechnology Research (CNR), School of Electronics Engineering (Sense), Vellore Institute of Technology (VIT) University, Tamilnadu, India

Dr. Sibasis Acharya

Project Consultant, Department of Metallurgy & Mineral Processing, Midas Tech International, 30 Mukin Street, Jindalee-4074, Queensland, Australia

Dr. Neelam Ruhil

Professor, Department of Electronics & Computer Engineering, Dronacharya College of Engineering, Gurgaon, Haryana, India

Dr. Faizullah Mahar

Professor, Department of Electrical Engineering, Balochistan University of Engineering and Technology, Pakistan

Dr. K. Selvaraju

Head, PG & Research, Department of Physics, Kandaswami Kandars College (Govt. Aided), Velur (PO), Namakkal DT. Tamil Nadu, India

Dr. M. K. Bhanarkar

Associate Professor, Department of Electronics, Shivaji University, Kolhapur, Maharashtra, India

Dr. Sanjay Hari Sawant

Professor, Department of Mechanical Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur, India

Dr. Arindam Ghosal

Professor, Department of Mechanical Engineering, Dronacharya Group of Institutions, B-27, Part-III, Knowledge Park, Greater Noida, India

Dr. M. Chithirai Pon Selvan

Associate Professor, Department of Mechanical Engineering, School of Engineering & Information Technology Manipal University, Dubai, UAE

Dr. S. Sambhu Prasad

Professor & Principal, Department of Mechanical Engineering, Pragati College of Engineering, Andhra Pradesh, India.

Dr. Muhammad Attique Khan Shahid

Professor of Physics & Chairman, Department of Physics, Advisor (SAAP) at Government Post Graduate College of Science, Faisalabad.

Dr. Kuldeep Pareta

Professor & Head, Department of Remote Sensing/GIS & NRM, B-30 Kailash Colony, New Delhi 110 048, India

Dr. Th. Kiranbala Devi

Associate Professor, Department of Civil Engineering, Manipur Institute of Technology, Takyelpat, Imphal, Manipur, India

Dr. Nirmala Mungamuru

Associate Professor, Department of Computing, School of Engineering, Adama Science and Technology University, Ethiopia

Dr. Srilalitha Giriya Kumari Sagi

Associate Professor, Department of Management, Gandhi Institute of Technology and Management, India

Dr. Vishnu Narayan Mishra

Associate Professor, Department of Mathematics, Sardar Vallabhbhai National Institute of Technology, Ichchhanath Mahadev Dumas Road, Surat (Gujarat), India

Dr. Yash Pal Singh

Director/Principal, Somany (P.G.) Institute of Technology & Management, Garhi Bolni Road, Rewari Haryana, India.

Dr. Sripada Rama Sree

Vice Principal, Associate Professor, Department of Computer Science and Engineering, Aditya Engineering College, Surampalem, Andhra Pradesh. India.

Dr. Rustom Mamlook

Associate Professor, Department of Electrical and Computer Engineering, Dhofar University, Salalah, Oman. Middle East.

Managing Editor

Mr. Jitendra Kumar Sen

International Journal of Advanced Engineering and Nano Technology (IJAENT)

Editorial Board

Dr. Saeed Balochian

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iratan

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun, India

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.)-500005, India

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes, Madrid, Spain

Dr. Guoxiang Liu

Member of IEEE, University of North Dakota, Grand Forks, N.D., USA

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, Kariapatti, Virudhunagar, Tamilnadu, India

Dr. Cherouat Abel

Professor, University of Technology of Troyes, France

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India

Dr. Manish Srivastava

Professor & Head, Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India



S. No	Volume-2 Issue-7, June 2015, ISSN: 2347-6389 (Online) Published By: Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd.		Page No.
1.	Authors:	Lois Onyejere Nwobodo, Hyacinth C. Inyama	
	Paper Title:	Hidden Markov Model (HMM) in Support of Intellectual Property Risk Management	
	<p>Abstract: An important element of intellectual property (IP) risk management is valuation, forecasting and strategy. Forecasting the optimal likelihood probabilities for the risk can be an audacious exercise, but it is critical in understanding the damage that can be caused by infringement, IP rights litigations etc providing the basis for prioritizing risk management activities and allocating resources. In this paper the occurrence, interactions of risk events as it impacts intellectual property management is modeled as Hidden Markov Model (HMM). The paper presents the HMM as a tool that can be used to optimize IP risk management response. The paper developed a HMM that can be used to predict the maximum likelihood probability for IP risk. This gives substantial information for optimal planning & coordination of IP risk response activities.</p>		1-5
<p>Keywords: IP, risk management, HMM maximum likelihood probabilities, IP risk features.</p>	<p>References:</p>	<ol style="list-style-type: none"> Alexander I poltorak and Paul J Lerner “managing intellectual property. Introducing litigation risk analysis” May 2009, issue 109 of managing intellectual properly, Economy Plc. Mihai Surdean U, Ramesh Nallapati, Christopher O. manning” Risk Analysis for intellectual properly litigation “ICAIL” II, June 6-10, 2011, Pittsburgh, PA. Orebeacon professional infnanrce (Sept. 2010) “intellectual property risk management: IP valuation and protection” An Adiveri white paper. Dino Isa, Pter Blanehfiled, Zhi Yuan “intellectual property management system for the super-capacitor pilot plant” workshop on advances in intelligent computing Pp. 4, 2009. Giacomo Giampieri, Mark Davis and Martin Crowder “A hidden markov model of default interaction” Department of mathematics, imperial college, London 8W7 2A2 L.E. Baum, “An inequality and associated maximization technique in statistical estimation for probalistic functions of markov processes, magnelities, Vol. 3, Pp, 1- 8,1972. A.J.Viterbi, “Error bounds for convolutional codes and an asymptotically optimal decoding algorithm, IEEE Trans. Iformat. Theory. Vol. IT-13, pp. 260-269, Apr. 1967. Jian Yang, Jian Zhang, fei Tang, Jiang He, Tifei wang “Discrete Hidden markov model for Transient stability Assessment in power system” journal of computational systems 24[2014]10499-10510 M.Jannati, S.Jazeabi, B. Vahidi and S.H. Hosseinian “ A Novel Algorithm for fault Type Fast Diagnosis in overhead Transmission lines using Hidden Markor Model” Journal of Electrical Engineering and Technology Vol. 6. No.6,pp,742-749,2011. R.Lawrence and A.Rabiner “ A Tutorial on hidden Markov models and selected application in speech recognition” Proc. of IEEE, Vol.77,pp. 257-285,1989. T.K. Abdel-Galili, A.M. Youssef and M.M.A.Salama “Disturbance classification using Hidden Markov model and vector quantization” IEEE Trans.power Del. Vol. 20, pp. 2129 - 2135, 2005. 	
2.	Authors:	Varsha Gautam	
	Paper Title:	Protracted Network: Quality of Service	
	<p>Abstract: The capability of a system to continuously deliver services in compliance with the given requirements in the presence of failures and other undersigned events, is a property of protracted network. An easy solution to provide good quality of service is to build a network with enough capacity. A strong network should have a important property that the network should be designed in such away that it must take no time or very small time to recover from a big disaster. The objective of this paper is to provide an overview of network connectivity in relation to network protection design. In this paper we aim to introduce and analyze the advantages and disadvantages of methods and algorithms for searching good network connectivity as well as sets of disjoint and distinct paths for protection design. Here we will make 2-connected network to improve network performance.</p>		6-10
<p>Keywords: Graph theory, network connectivity, survivability</p>	<p>References:</p>	<ol style="list-style-type: none"> K. Menger, “Zur allgemeinen kurventheorie,” Fundamenta Mathematicae, vol. 10, pp. 96–115, 1927. F. T. Boesch, I. T. Frisch, “On the smallest disconnecting set in a graph”, IEEE Trans. Circuit theory, vol CT-15, 1986 , pp 286-288. W. D. Grover, “Mesh-based Survivable Networks: Options and Strategies for Optical, MPLS, SONET/SDH, and ATM networking”. Prentice Hall PTR, 2004. Habibi, D., Nguyen, H., Phung, Q. & Lo, K. “Establishing physical survivability of large networks using properties of two-connected graphs”, TENCON 2005 , IEEE Region,2005. R. Diestel, “Graph Theory”,. New York: Springer-Verlag, 2000. Paton, K. “An algorithm for finding a fundamental set of cycles of a graph” ,Communications of the ACM 12(9): 514–518,1969. L. Foulds, “Graph Theory Applications”. Springer-Verlag, 1992. P. Van Mieghem, “Graph Spectra for Complex Networks”, Cambridge University Press, 2011. Q. V. Phung, D. Habibi, H. N. Nguyen, and K. Lo, “K pairs of disjoint paths algorithm for protection in WDM optical networks,” To appear in Proceedings of the 11th Asia-Pacific Conference on Communications, 2005. K. Lee, H. W. Lee, and E. Modiano, “Reliability in layered networks with random link failures,” IEEE/ACM Transactions on Networking, vol. 19, no. 6, pp. 1835–1848, 2011. W. Zou, M. Janic, R. Kooij, and F. A. Kuipers, “On the availability of networks,” in Proceedings of the Broad Band Europe, Antwerp, Belgium, December 2007. 	

	<p>12. Martins, E. D. Q. V., Pascoal ,M. M Surballe, J. "Disjoint paths in a network", Networks 4: 125–145,1974.</p> <p>13. Bhandari, R. ,“Survivable Networks: Algorithms for Diverse Routing”, Kluwer Academic Publishers.,1999.</p> <p>14. C. Chekuri and S. Khanna, “Edge disjoint paths revisited”. In Proceedings of the 14th Annual ACM–SIAM Symposium on Discrete Algorithms (SODA’03), pages628–637, 2003.</p>	
	<p>Authors: A.T. Kassem, N. El-said, H, F. Aly</p> <p>Paper Title: Nanohydroxy Apatite/Activated Carbon as Supported Liquid Membrane for Fission Products</p>	
3.	<p>Abstract: The study of permeability of 137Cs, 90Sr and 60Co from nitrate media was carried out using Nanocomposite hydroxy apatite/activated carbon. The efficiency of this extractant was studied under various experimental conditions, such as aqueous pH, NaNO3M present in the initial aqueous feed , Nanocomposite hydroxy apatite as carrier in the membrane disc ,EDTA as stripping phase concentration, temperature and time of extraction were studied The percentage of 137Cs, 90Sr and 60Co extraction decreases with the increase of temperature at varying concentration of Nanocomposite hydroxy apatite. The pertraction of 137Cs, 90Sr and 60Co from nitrate media were examined at the optimized conditions. Under the optimum experimental conditions 98.6–99.9% of 137Cs was extracted in 10–30 min with the initial feed concentration of 0.5 NaNO3 This Study was developed using a new nanohydroxyapatite–Activated carbon. The nanohydroxyapatite (nHAP) particles mixed with Activated Carbon (AC) acts as the inorganic phase was mixed with activated carbon (AC) forming HAp-AC composite. Facilitated transport supported liquid membranes (SLMs) were prepared at 20oC temperature. Recently novel compositions in this system HAp-AC were described and characterized with regard to DTA, SEM, IR, surface investigated and spectra. The process of diffusion in liquid membranes is governed by chemical diffusion process .Fick’s first law of diffusion.</p> <p>Keywords: NHAP: -AC, -AC, DTA, SEM, IR, surface investigated and spectra.</p> <p>References:</p> <ol style="list-style-type: none"> Xu, H. H, Simon, C. G., 2004. surface textures as potential .J. Biomed Mater Res A .69, 267-78 Xu, H. H, and Simon, C. G.,2004. Development of new approaches to the treatment. J. Orthop Res. 22, 535-43. Yang, Y. Z, Tian, J. M. Morphological behavior of osteoblast-like.,2002. J. Bio.materials . 23, 1383-89. Yoshimura, M, Ioku, K. 1993. Apatite whisker and method for preparation "US Patent and Trademark Office.,5,227-237. Yuasa, T, Miyamoto, 2004.Y. Smart nanopores for the detection J. Biomaterials., 25, 1159-66. Yubao, L, Groot, K. A review of preparation methodologies.1994.J .Mater Sci Mater Med., 5, 326-31. Toricelli, P, Fini, M. interaction between tenocytes .2003.J. Biotechnol .,31, 263-77. Trail, I. A., Martin, J. A. This versatile model allows for evaluation.2004. J. Bone Joint Surg Br .,86, 1002-6. USDHHS, A. Report of the Surgeon General. Rockville, MD, USDHHS, Office of the Surgeon General. 1999. Vallet-Regi, Ramila,M. A. silica-based ceramics receive a great interest. 2004.J . Biom. Mate. Res A., 66, 580-5. 11-Van Nausdle, J. A. The role of a Catholic.2005. J. University of Notre Dame, 46556-64. Vignesh, R. C., Sitta, Djody.S. proliferation, differentiation, mineralization and cyto-toxicity.2006. J. Toxicology., 220, 63-70. Wang, C., Duan, Y. J. Biomaterials .2004,25, 2507-14. Wei, G; Ma .P. X. Biomimetic nanofibrous scaffolds for bone tissue.2005.J. Biomaterials, 25, 4749-57. Wenk, H. R, Heidelbach, F. 1999.Crystal alignment of carbonated apatite in bone .J. Bone., 24, 361-9. Roeder, R. K., Sproul .M. M. properties compared to the use of an equiaxed powder.2003. J .Bio. Mat. Res A.,67, 801-12. Kim, H. W., Knowles ,J. C. The function of terpene natural products in .2005.J .Bio. Mat. Res A .,72, 258-68. El-Said, N.;Abdel rahman .N.; Ali .M.S. J. of Appl. Chem (IOSR-JAC).2014,7, 103-111 	11-18
	<p>Authors: Nader A. Nader</p> <p>Paper Title: Application of Phase-Change Materials in Buildings: Case Study Al Khobar City, Saudi Arabia</p>	
4.	<p>Abstract: Phase-Change Materials (PCMs) are substances with a high heat of fusion that melt and solidify at a certain temperature range. They are capable of storing and releasing large amounts of energy and have a high capacity of storing heat. PCMs prevent energy loss during material changes from solid to liquid or liquid to solid. They have several advantages such as its self-nucleating properties, and disadvantages such as having low thermal conductivity [4]. There are different types of PCM with a wide range of applications. This paper studies the potential application of PCMs in building energy conservation materials. The analysis shows that the use of BioPCM material as an insulation layer in building can decrease the cooling load by 20% in comparison to a standard one. In addition, this research reviews the program performance to date through conducting a survey to evaluate the HVAC energy consumption efficiency in Residential and Commercial Buildings in Al Khobar City, Saudi Arabia. Forty Buildings were surveyed in October 2014. The survey results showed that fifty percent of the buildings don’t have insulation and their HVAC systems were more than 10 years old and with lower efficiencies.</p> <p>Keywords: Phase-Change Materials, Energy Cosumption, Cooling Load, Insulation Material</p> <p>References:</p> <ol style="list-style-type: none"> Manufacturing innovative thermal storage technologies for smart & sustainable buildings.” PhaseChange energy solutions, 2013. Accessed on from: http://www.phasechange.com/index.php/en/ Chair P. P., Lee T., Reddy A.. “Application of Phase Change Material in Buildings: Field Data vs. EnergyPlus Simulation. Arizona State University, 2010. Accessed on from: http://repository.asu.edu/attachments/56138/content/Muruganantham_asu_0010N_10151.pdf “Phase-change materials.” Building, 2013. Accessed on from: http://www.building.co.uk/business/cpd/cpd-1-2013-phase-change-materials/5050027.article “Phase-change material.” Wikipedia, 2012. Retrieved from: http://en.wikipedia.org/wiki/Phase-change_material Marin J.M., Zalba B., Cabeza L.F., Mehling H., Determination of enthalpy-temperature curves of phase change materials with the T-history method—improvement to temperature dependent properties, Measurement Sci. Technol., in press. Py X., Olives R., Mauran S., Paraffin/porous-graphite-matrix composite as a high and constant power thermal storage material, 	19-23

	<p>Int. J. Heat Mass Transfer 44 (2001) 2727-2737.</p> <ol style="list-style-type: none"> 7. Shapiro M., Feldman D., Hawes D., Banu D.. 1987. PCM thermal storage in drywall using organic phase change material. <i>Passive Solar J</i> 4: 419-438 8. Perez, A. D. P., "Situacion y future de los PCM (Phase Change Material)", Centro de Desarrollo Tecnologico – Fundacion LEIA, (2010). 9. Alkan, C., Sari, A., Karaipekli, A. and Uzun, O. 2009. "Preparation, characterization and thermal properties of microencapsulated phase change material for thermal energy storage." <i>Solar Energy Materials and Solar Cells</i>, 93: (1), 143-147. 10. Dincer, M.A. Rosen. Thermal energy storage. Systems and Applications, 2002. England: John Wiley & Sons. Print. 11. Mondal S.. 2008. Phase changing materials for smart textiles – An overview. <i>Applied Thermal Engineering</i>, 28: 1536-1550. Retrieved from: http://ucheg.ru/docs/5/4074/conv_1/file1.pdf 12. Streicher, W., Cabeza, L., Heinz, A. 2005. A Report of IEA Solar Heating and Cooling programme - Task 32 "Advanced storage concepts for solar and low energy buildings." <i>Solar Heating & Cooling Programme</i>, 1-33. 13. Zalba, B., Marin, J.M., Cabeza, L.F., Mehling, H. Review on thermal energy storage with phase change: materials, heat transfer analysis and applications. <i>Applied Thermal Engineering</i> 23, (2003) 251-283. 14. Sharma, A., Tyagi, V.V., Chen, C.R., Buddhi, D. Review on thermal energy storage with phase change materials and applications. <i>Renewable and Sustainable Energy Reviews</i> 13, (2009) 318-345. 15. Juarez, D., Balart, R., Ferrandiz, S., Peydro, M.A. Classification of phase change materials and his behaviour in SEBS/PCM blends. <i>Manufacturing Engineering Society International Conference</i>, 2013. 16. Rousse, D.R., Salah, N.B., Lassue, S. An overview of phase change materials and their implication on power demand. <i>National Science and Engineering Research Council of Canada</i>, 1-6. 2009. 17. Kosny, J., Kossecka, E. Understanding a Potential for Application of Phase-Change Materials (PCMs) in Building Envelopes. <i>ASHRAE</i>, 2013. 18. Rai, A.K., Kumar, A. A Review on Phase Change Materials & Their Applications. <i>International Journal of Advanced Research in Engineering and Technology</i>, 3 (2) 214-225. 2012. 19. Infinite R Company, http://www.phasechangetechnologies.com/ 20. Accessed from Daikin, http://www.daikin.pl/vrv-iv/continuous_heating/ 					
5.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Authors:</td> <td>Indrayani Joshi, Asmita Kale</td> </tr> <tr> <td>Paper Title:</td> <td>Study of Influence of Cultural Values on the Shaping of a Cultural Landscape with Case of Alandi</td> </tr> </table> <p>Abstract: Landscape is a formal expression of the numerous relationships existing in a given period between the individual or a society and a topographically defined territory, the appearance of which is the result of the action, over time, of natural and human factors and of a combination of both. Study of the cultural values in landscape serves several different ends simultaneously and apart from its function of systematic description it provides for regional classification, affords insight into the role of man in geographic transformations and throws light upon certain aspects on cultural communities in themselves Cultural landscapes fall in the category of landscapes which have been formed due to nature-human interaction and understanding of co-existence and co-dependence. These are shaped owing to the cultural value systems in the form of various practices and rituals.</p> <p>Keywords: numerous relationships existing, topographically defined territory, regional classification, geographic transformations, Cultural landscapes, nature-human interaction.</p> <p>References:</p> <ol style="list-style-type: none"> 1. Action for Environmental Improvement of Alandi, Concept plan 2. Abstract of Cultural Landscape of Varkari Cult: case of Alandi, By Hareesh Haridasan, Masters in Architecture and Settlement Conservation, CEPT University Ahmedabad 3. 'Alandi Darshan' by M.S. Gholap 4. 'The cult of Vithoba' by G.A. Deleury S. J. Phd 5. http://whc.unesco.org/en/culturallandscape 6. World heritage cultural landscapes, a handbook for conservation & management, Nora Mitchell, Mechtild Roseler, Pierre-Maric Tricauel (Authors/Editors) 7. Census of India & DP 1988-1998 Alandi 8. Pg 118, Objects of worship in south-asian religions: Forms, practices and meanings. Edited by Knut A. Jacobsen, Mikael Aktor, Kristina Myrvold 	Authors:	Indrayani Joshi, Asmita Kale	Paper Title:	Study of Influence of Cultural Values on the Shaping of a Cultural Landscape with Case of Alandi	24-27
Authors:	Indrayani Joshi, Asmita Kale					
Paper Title:	Study of Influence of Cultural Values on the Shaping of a Cultural Landscape with Case of Alandi					